

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Nelson et al. Art Unit: Unassigned  
Parent Serial No.: 09/687,246 Examiner: Unassigned  
Parent Filing Date: October 12, 2000  
Serial No.: Unassigned  
Filed: September 15, 2003  
Title: METHODS OF DIAGNOSING AND TREATING HEPATIC CELL  
PROLIFERATIVE DISORDERS

**Mail Stop PATENT APPLICATION**

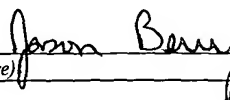
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**INFORMATION DISCLOSURE STATEMENT**

Sir:

In accordance with 37 § CFR 1.97, Applicants bring to the Examiner's attention the related parent patent application, U.S. Serial No. 09/687,246, filed October 12, 2000, which is relied upon for an earlier filing date under 35 USC § 121. For the convenience of the Examiner, copies of the PTO Forms 892 and 1449 are enclosed.

It is respectfully requested that these references be considered in the examination of this application and their consideration be made of written record in the application file.

<b>CERTIFICATION UNDER 37 CFR §1.10</b> "EXPRESS MAIL" Mailing Label Number: <b>EV 318 739 909 US</b> Date of Deposit: <b>September 15, 2003</b>	
I hereby certify that this correspondence is being deposited with the United States Postal Service as "Express Mail Post Office to Addressee" with sufficient postage on the date indicated above and is addressed to: Mail Stop PATENT APPLICATION, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.	
JASON BERRY (Name of Person Mailing Paper)	
(Signature) 	September 15, 2003 (Date)

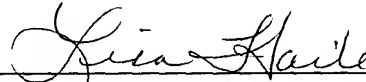
In re Application of:  
Nelson et al.  
Application No.: Unassigned  
Filed: September 15, 2003  
Page 2

PATENT  
Attorney Docket No.: JHU1660-2

No fee is deemed necessary in connection with the filing of this Information Disclosure Statement, because it is being filed prior to the receipt of a first office action on the merits of the above-captioned application. However, if any fee is required, authorization is hereby given to charge any fees associated with the filings submitted herewith, or credit any overpayment to Deposit Account No. 50-1355. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

Date: September 15, 2003



Lisa A. Haile, J.D., Ph.D.  
Registration No.: 38,347  
Telephone: (858) 677-1456  
Facsimile: (858) 677-1465

**USPTO CUSTOMER NUMBER 28213**  
**GRAY CARY WARE & FREIDENRICH LLP**  
4365 Executive Drive, Suite 1100  
San Diego, CA 92121-2133

Please type a plus sign (+) inside the box

PTO/SB/08B (08-00)

Approved for use through 10/31/2002. OMB 0651-003

U.S. Patent & Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Action of 1997, no persons are required to respond to a collection of information unless it contains a valid OMB number.

Substitute for form 1449A/PTO		MAY 03 2001		COMPLETE IF KNOWN	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets necessary)		Application Number	09/687,246		RECEIVED  MAY 07 2001  TECH CENTER 1600/2900
		Filing Date	October 12, 2000		
		First Named Inventor	Nelson et al.		
		Group Art Unit	Unknown 1634		
		Examiner Name	Unknown		
SHEET	1	OF	1	Docket Number	JHU1660-1

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (If known)			
JP ↓ ✓		5,552,277		Nelson et al.	09-03-1996	
		5,786,146		Herman et al.	07-28-1998	
		6,017,704		Herman et al.	01-25-2000	
		6,200,756B1		Herman et al.	03-13-2001	

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (If known)				

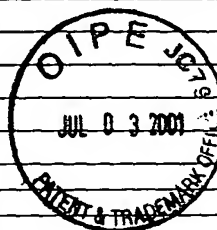
OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>6</sup>
JP		TCHOU, JULIA C. et al., "GSTP1 CpG Island DNA Hypermethylation in Hepatocellular Carcinomas", International Journal of Oncology 16, 2000 pages 663-676	

Examiner Signature	<i>Shanne Louaya</i>	Date Considered	4/15/02
--------------------	----------------------	-----------------	---------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document, by the two letter-code (WIPO Standard ST.3) <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard St. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language translation is attached.

Application Number	09/687,246
Filing Date	October 12, 2000
First Named Inventor	Nelson et al.
Group Art Unit	<del>4655</del> 1634
Examiner Name	Souaya, J.
Docket Number	JHU1660-1



SHEET	1	OF	1
-------	---	----	---

[illegible][illegible]

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>6</sup>
		Steinmetz, K.L. et al.; Hypomethylation of the rat glutathione S-transferase pi (GSTP) promoter region isolated from methyl-deficient livers and GSTP positive liver neoplasms; Carcinogenesis, 1988, Vol. 19, No. 8, pages 1487-1494; see whole document.	
		Jhaveri, M.S. et al.; Methylation-mediated regulation of the glutathione-S-transferase P1 gene in human breast cancer cells; Gene, 1998, Vol. 210, pages 1-7; see whole document.	
		Copy of PCT International Search Report Document for PCT/US00/28427 (4 pages)	

Jeanne Louaya

**Date Considered**

4/15/02

<sup>1</sup>Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document, by the two letter-code (WIPO Standard ST.3)  
<sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard St. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language translation is attached.

<b>Notice of References Cited</b>	Applicant/Patent <b>Nelson et al</b>		Application/Control No. <b>09/687,246</b>	
	Examiner <b>Jehanne Souaya</b>		Art Unit <b>1634</b>	Page 1 of 1

**U.S. PATENT DOCUMENTS**

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY <sup>1</sup>	Name	Classification <sup>2</sup>	
X	A	6,017,704	1/2000	Herman et al.	435	6
	B					
	C					
	D					
	E					
	F					
	G					
	H					
	I					
	J					
	K					
	L					
	M					

**FOREIGN PATENT DOCUMENTS**

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY <sup>1</sup>	Country	Name	Classification <sup>2</sup>	
	N						
	O						
	P						
	Q						
	R						
	S						
	T						

**NON-PATENT DOCUMENTS**

*		Include, as applicable: Author, Title, Date, Publisher, Edition or Volume, Pertinent Pages
	U	De Oliveira e Silva et al., Arquivos De Gastroenterologia, vol. 27, 1990, English abstract only
	V	Imai et al., Carcinogenesis, vol. 18, pp 545-551, 1997
X	W	Steinmetz et al., Carcinogenesis, vol. 19, pp 1487-1494, 1998
	X	

<sup>\*</sup> A copy of this reference is not being furnished with this Office action. See MPEP § 707.05(a).

<sup>1</sup> Dates in MM-YYYY format are publication dates.

<sup>2</sup> Classifications may be U.S. or foreign.

<b>Notice of References Cited</b>	Application/Control No. <b>09/687,246</b>	Applicant(s)/Patent Under Reexam <b>Nelson et al</b>	
	Examiner <b>Jehanne Souaya</b>	Art Unit <b>1634</b>	Page 1 of 1

#### U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY <sup>1</sup>	Name	Classification <sup>2</sup>	
X	A	5,552,277	9/1996	Nelson et al.	435	6
	B					
	C					
	D					
	E					
	F					
	G					
	H					
	I					
	J					
	K					
	L					
	M					

#### FOREIGN PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY <sup>1</sup>	Country	Name	Classification <sup>2</sup>	
	N						
	O						
	P						
	Q						
	R						
	S						
	T						

#### NON-PATENT DOCUMENTS

*		Include, as applicable: Author, Title, Date, Publisher, Edition or Volume, Pertinent Pages
	U	
	V	
	W	
	X	

\* A copy of this reference is not being furnished with this Office action. See MPEP § 707.05(a).

<sup>1</sup> Dates in MM-YYYY format are publication dates.

<sup>2</sup> Classifications may be U.S. or foreign.